

DECLARATION, POWER OF ATTORNEY, AND PETITION

We, Gregory C. Hitchcock, and Matt Conway, declare: that we are citizens of the United States of America. We, Beat Stamm, and Claude Betrisey, declare that we are citizens of Switzerland. We, Beat Stamm, Gregory C. Hitchcock, Claude Betrisey, and Matt Conway, declare: that our residences and post office addresses are 3835 W. Lake Samammish Parkway, Redmond, Washington 98052; 17828 159th Ave. NE, Woodinville, Washington 98072; 6725 134th Court NE, Redmond, Washington 98052; and 6016 3rd Avenue NW, Seattle, Washington 98107, respectively; that we verily believe we are the original, first, and joint inventors of the subject matter of the invention or discovery entitled "AUTOMATIC OPTIMIZATION OF THE POSITION OF STEMS OF TEXT CHARACTERS," and that we acknowledge the duty to disclose information which is material to the examination of this application in accordance with Section 1.56(a) of Title 37 of the Code of Federal Regulations.

We declare further that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful, false statements may jeopardize the validity of the application or any patent issuing thereon.

We hereby appoint as our attorneys and/or patent agents: RICK D. NYDEGGER, Registration No. 28,651; DAVID O. SEELEY, Registration No. 30,148; JONATHAN W. RICHARDS, Registration No. 29,843; BRADLEY K. DeSANDRO, Registration No. 34,521; JOHN

M. GUYNN, CHARLES L. ROBERTS, Registration No. 32,434; Registration No. 36,153; GREGORY M. TAYLOR, Registration No. 34,263; DANA L. TANGREN, Registration No. 37,246; ERIC L. MASCHOFF, Registration No. 36,596; KEVIN B. LAURENCE, Registration No. 38,219; 39,780, ROBYN L. PHILLIPS, Registration No. 39,330; DAVID B. DELLENBACH, Registration No. 39,166; KEVIN K. JOHANSON, Registration No. 38,506; JOHN N. GREAVES, Registration No. 40,362; C.J. VEVERKA, Registration No. 40,858; JOHN C. STRINGHAM, Registration No. 40,831; R. BURNS ISRAELSEN, Registration No. 42,685; DAVID R. TODD, Registration No. 41,348; JESÚS JUANÓS i TIMONEDA, Registration No. 43,332; STEPHEN D. PRODNUK, Registration No. 43,020; and PARRISH R. FREEMAN, JR., Registration No. 42,556, of WORKMAN, NYDEGGER & SEELEY, 1000 Eagle Gate Tower, 60 East South Temple, Salt Lake City, Utah 84111; and DANIEL D. CROUSE, Registration No. 32,022; and KATIE SAKO, Registration No. 32,628, of MICROSOFT CORPORATION, One Microsoft Way, Redmond, Washington 98052, with full power to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith. All correspondence and telephonic communications should be directed to:

Rick D. Nydegger
WORKMAN, NYDEGGER & SEELEY
1000 Eagle Gate Tower
60 East South Temple
Salt Lake City, Utah 84111

Wherefore, we pray that Letters Patent be granted to us for the invention or discovery described and claimed in the foregoing specification and claims, declaration, power of attorney, and this petition.

Signed at Redmond, Washington this 5 day of April, 2000.

Inventor: Beat Stamm
Beat Stamm
3835 West Lake Samammish Parkway
Redmond, Washington 98052

Inventor: Gregory C. Hitchcock
Gregory C. Hitchcock
17828 159th Ave. NE
Woodinville, Washington 98072

Inventor: Claude Betrisey
Claude Betrisey
6725 134th Court NE
Redmond, Washington 98052

Inventor: Matt Conway
Matt Conway
6016 3rd Avenue NW
Seattle, Washington 98107



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
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JUNE 27, 2000

PTAS

RICK D. NYDEGGER
60 EAST SOUTH TEMPLE
SUITE 1000
SALT LAKE CITY, UTAH 84111



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UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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RECORDATION DATE: 04/10/2000

REEL/FRAME: 010732/0920
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
STAMM, BEAT

DOC DATE: 04/05/2000

ASSIGNOR:
HITCHCOCK, GREGORY C.

DOC DATE: 04/05/2000

ASSIGNOR:
BETRISSEY, CLAUDE

DOC DATE: 04/06/2000

ASSIGNOR:
CONWAY, MATT

DOC DATE: 04/05/2000

ASSIGNEE:
MICROSOFT CORPORATION
ONE MICROSOFT WAY
REDMOND, WASHINGTON 98052

SERIAL NUMBER: 09546139
PATENT NUMBER:

FILING DATE: 04/10/2000
ISSUE DATE:

010732/0920 PAGE 2

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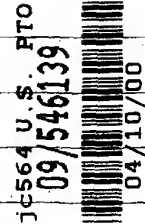
Beat Stamm
Gregory C. Hitchcock
Claude Betrisey
Matt Conway

Handwritten: MS 4/10/00

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: Microsoft CorporationAddress: One Microsoft WayCity: RedmondState/Prov.: WACountry: USZIP: 98052

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ OtherExecution Date: April 6, 2000

Additional name(s) & address(es)

☐ Yes ☒ No

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is: April 10, 2000

Patent Application No.

Filing date

B. Patent No.(s)

Handwritten: 09/546139

Additional numbers

☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Rick D. NydeggerRegistration No. 28,651Address: 60 East South Temple, Suite 1000

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):.....\$ 40.00☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account☐ Authorized to be charged to deposit account

8. Deposit account number:

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

R. Burns Israelsen

Name of Person Signing

Signature

April 10, 2000

Date

4

Total number of pages including cover sheet, attachments, and

WHEN RECORDED RETURN TO:

PATENT APPLICATION

Docket No: 14924.4.1

Workman, Nydegger & Seeley
1000 Eagle Gate Tower
60 East South Temple
Salt Lake City, Utah 84111

ASSIGNMENT

WHEREAS, we Beat Stamm, Gregory C. Hitchcock, Claude Betrisey, and Matt Conway, (hereinafter referred to as ASSIGNORS), having addresses of 3835 W. Lake Sammamish Parkway, Redmond, Washington 98052; 17828 159th Ave. NE, Woodinville, Washington 98072; 6725 134th Court NE, Redmond, Washington 98052; and 6016 3rd Avenue NW, Seattle, Washington 98107; respectively, are the joint inventors of an invention entitled "AUTOMATIC OPTIMIZATION OF THE POSITION OF STEMS OF TEXT CHARACTERS," as described and claimed in the specification forming part of an application for United States letters patent;

WHEREAS, Microsoft Corporation (hereinafter referred to as ASSIGNEE), a corporation of the State of Washington having a place of business at One Microsoft Way, Redmond, WA 98052, is desirous of acquiring the entire right, title, and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign, and transfer unto said ASSIGNEE, the entire right, title, and interest in and to said invention, said application and any and all letter patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues, and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty, or otherwise, said invention, application, and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer, and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefore.

Dated this 5 day of April, 2000.

Beat Stamm

Beat Stamm
U.S. Citizen
Swiss

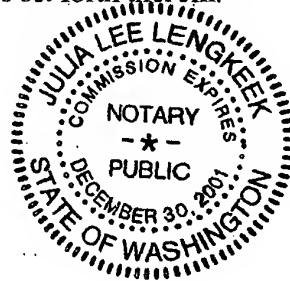
STATE OF WASHINGTON)

: ss.

COUNTY OF KING)

On April 5, 2000, before me personally appeared Beat Stamm, known to me to be the person described and who signed the foregoing Assignment in my presence and acknowledged under oath before me that he has read the same and know the contents thereof and that he executed the same as his free act and deed and for the purposes set forth therein.

Julia Lee Lengkeek
NOTARY PUBLIC
Residing at Lake Stevens
My Commission Expires: 12-30-2001



Gregory C. Hitchcock
Gregory C. Hitchcock
U.S. Citizen

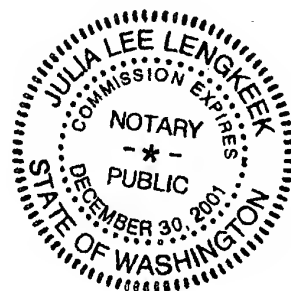
STATE OF WASHINGTON)

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Julia Lee Lengkeek
NOTARY PUBLIC
Residing at Lake Stevens
My Commission Expires: 12-30-2001



Claude Betrisey
Claude Betrisey
Citizen of Switzerland

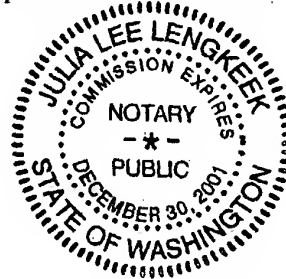
STATE OF WASHINGTON)

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On April 10, 2000, before me personally appeared Claude Betrisey, known to me to be the person described and who signed the foregoing Assignment in my presence and acknowledged under oath before me that he has read the same and know the contents thereof and that he executed the same as his free act and deed and for the purposes set forth therein.

Julia Lee Lengkeek
NOTARY PUBLIC
Residing at Lake Stevens
My Commission Expires: 12-30-2001



Matt Conway
Matt Conway
U.S. Citizen

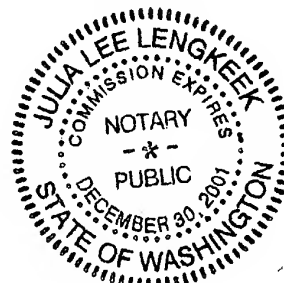
STATE OF WASHINGTON)

: ss.

COUNTY OF KING)

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Julia Lee Lengkeek
NOTARY PUBLIC
Residing at Lake Stevens
My Commission Expires: 12-30-2001



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